ELSEVIER

Physiology & Behavior 84 (2005) 815–819

PHYSIOLOGY & BEHAVIOR

CONTENTS
VOLUME 84, 2005

CONTENTS VOLUME 84 NUMBER 1 2005

Articles

Antioxidant response to oxidative stress induced by exhaustive exercise
AGUILÓ, A., P. TAULER, E. FUENTESPINA, J.A. TUR, A. CÓRDOVA AND A. PONS 1

Further evidence for conditioned taste aversion induced by forced swimming
MASAKI, T. AND S. NAKAJIMA 9

The influence of social environmental condition on the production of stress-induced 22 kHz calls in adult male Wistar rats
INAGAKI, H., M. KUWAHARA, T. KIKUSUI AND H. TSUBONE 17

Changes in olfactory inputs modify the energy balance response to short days in male gray mouse lemurs
SÉGUY, M. AND M. PERRET 23

Tyrosine prevents effects of hyperthermia on behavior and increases norepinephrine
LIEBERMAN, H.R., J.H. GEORGELIS, T.J. MAHER AND S.K. YEGHIAYAN 33

Pressor response to chemoreflex activation in awake rats: role of vasopressin and adrenal medulla
FERNANDES, L.G., V.R. ANTUNES, L.G.H. BONAGAMBA AND B.H. MACHADO 39

Nandrolone decanoate has long-term effects on dominance in a competitive situation in male rats
LINDQVIST, A.-S. AND C. FAHLKE 45

Evaluation of a simple model of ethanol drinking to intoxication in C57BL/6J mice
RHODES, J.S., K. BEST, J.K. BELKNAP, D.A. FINN AND J.C. CRABBE 53

Exercise improves biomarkers of health and stress in animals fed ad libitum
ALESSIO, H.M., A.E. HAGERMAN, S. NAGY, B. PHILIP, R.N. BYRNES, J.L. WOODWARD, P. CALLAHAN AND R.L. WILEY 65

Incubation of sucrose craving: effects of reduced training and sucrose pre-loading
GRIMM, J.W., A.M. FYALL AND D.P. OSINCUP 73

Exposure to PCB 77 affects the maternal behavior of rats
SIMMONS, S.L., J.A. CUMMINGS, L.G. CLEMENS AND A.A. NUNEZ 81

Social environment determines the long-term effects of social defeat
DE JONG, J.G., B.J. VAN DER VEGT, B. BUWALDA AND J.M. KOOLHAAS 87

Sexual behavior, neuroendocrine, and neurochemical aspects in male rats exposed prenatally to stress
GERARDIN, D.C.C., O.C.M. PEREIRA, W.G. KEMPINAS, J.C. FLORIO, E.G. MOREIRA AND M.M. BERNARDI 97

Home cage activity and activity-based measures of anxiety in 129P3/J, 129X1/SvJ and C57BL/6J mice
TANG, X. AND L.D. SANFORD 105

The role of histamine in estradiol-induced conditioned consumption reductions
HINTIRYAN, H., U.L. HAYES AND K.C. CHAMBERS 117

Meal patterns and foraging in melanocortin receptor knockout mice
VAUGHAN, C.H., M.C. MOORE, C. HASKELL-LUEVANO AND N.E. ROWLAND 129

The role of vaginal stimulation for the acquisition of conditioned place preference in female Syrian hamsters
KOHLERT, J.G. AND N. OLEXA 135

Food-carrying behavior increased under risk-approaching signal in rats (*Rattus norvegicus*)
ONUKI, Y. AND J. MAKINO 141

Peripheral vasopressin accelerates extinction of conditioned taste avoidance
HAYES, U.L. AND K.C. CHAMBERS 147

Lack of functional estrogen receptor β influences anxiety behavior and serotonin content in female mice
IMWALLE, D.B., J.-Å. GUSTAFSSON AND E.F. RISSMAN 157

doi:10.1016/S0031-9384(05)00145-9

Acute and chronic administration of immunomodulators induces anorexia in Zucker rats
LUGARINI, F., B.J. HRUPKA, G.J. SCHWARTZ, C.R. PLATA-SALAMAN AND W. LANGHANS 165

CONTENTS VOLUME 84 NUMBER 2 2005

Articles

Environmental odor intolerance in pregnant women
NORDIN, S., D.A. BROMAN AND M. WULFF 175
Circadian rhythms of locomotor activity in the subterranean Mashona mole rat, *Cryptomys darlingi*
VASICEK, C.A., M.K. OOSTHUIZEN, H.M. COOPER AND N.C. BENNETT 181
Test-meal palatability alters the effects of intragastric fat but not carbohydrate preloads on intake and rated appetite in healthy volunteers
ROBINSON, T.M., R.W. GRAY, M.R. YEOMANS AND S.J. FRENCH 193
The effects of dopaminergic agonists on genital reflexes in paradoxical sleep-deprived male rats
ANDERSEN, M.L. AND S. TUFIK 205
Detecting danger—or just another odorant? Olfactory sensitivity for the fox odor component 2,4,5-trimethylthiazoline in four species of mammals
LASKA, M., M. FENDT, A. WIESER, T. ENDRES, L.T. HERNANDEZ SALAZAR AND R. APFELBACH 211
Flavor preferences conditioned by intragastric nutrient infusions in food restricted and free-feeding rats
YIIN, Y.-M., K. ACKROFF AND A. SCLAFANI 217
Central H_1 and H_2 receptor participation in the control of water and salt intake in rats
MAGRANI, J., E. DE CASTRO E SILVA, A.C. RAMOS, R. ATHANAZIO, M. BARBETTA AND J.B. FREGONEZE 233
Increases in extracellular fluid glucose levels in the rat hippocampus following an anesthetic dose of pentobarbital or ketamine–xylazine: an in vivo microdialysis study
CANAL, C.E., E.C. MCNAY AND P.E. GOLD 245
GSA: behavioral, histological, electrophysiological and neurochemical effects
TORREMANS, A., B. MARESCAU, D. VAN DAM, C. VAN GINNEKEN, F. VAN MEIR, P.-P. VAN BOGAERT, R. D'HOOGE, J. DE VENTE AND P.P. DE DEYN 251
Exploration and risk assessment in female wild house mice (*Mus musculus musculus*) and two laboratory strains
AUGUSTSSON, H., K. DAHLBORN AND B.J. MEYERSON 265
Experimental anxiety in the black and white model in cycling, pregnant and lactating rats
ZULUAGA, M.J., D. AGRATI, M. PEREIRA, N. URIARTE, A. FERNÁNDEZ-GUASTI AND A. FERREIRA 279
Changes in sleep on chronic exposure to warm and cold ambient temperatures
MAHAPATRA, A.P.K., H.N. MALLICK AND V.M. KUMAR 287
Urinary prolactin is correlated with mothering and allo-mothering in squirrel monkeys
SOLTIS, J., F.H. WEGNER AND J.D. NEWMAN 295
Dietary and metabolic differences in pre- versus postmenopausal women taking or not taking hormone replacement therapy
REIMER, R.A., C.T. DEBERT, J.L. HOUSE AND M.J. POULIN 303
Effects of allocation of attention on habituation to olfactory and visual food stimuli in children
EPSTEIN, L.H., F.G. SAAD, A.M. GIACOMELLI AND J.N. ROEMMICH 313
Handling alters cocaine-induced activity in adolescent but not adult male rats
MALDONADO, A.M. AND C.L. KIRSTEIN 321
Perinatal exposure to genistein alters reproductive development and aggressive behavior in male mice
WISNIEWSKI, A.B., A. CERNETICH, J.P. GEARHART AND S.L. KLEIN 327
Calcium deprivation increases the palatability of calcium solutions in rats
MCCAUGHEY, S.A., C.A. FORESTELL AND M.G. TORDOFF 335

CONTENTS VOLUME 84 NUMBER 3 2005

Articles

REM sleep deprivation affects extinction of cued but not contextual fear conditioning
SILVESTRI, A.J. 343
The role of nitric oxide in the emotional learning of rats in the plus-maze
DA CUNHA, I.C., R.F. JOSÉ, L. ORLANDI PEREIRA, J.A. PIMENTA, I.A. OLIVEIRA DE SOUZA, R. REISER, H. MORENO JÚNIOR, J. MARINO NETO, M.A. PASCHOALINI AND M.S. FARIA 351
Sugar-dependent rats show enhanced responding for sugar after abstinence: Evidence of a sugar deprivation effect
AVENA, N.M., K.A. LONG AND B.G. HOEBEL 359
Taste pathways that mediate accumbens dopamine release by sapid sucrose
HAJNAL, A. AND R. NORGREN 363

Pleasure and alcohol: manipulating pleasantness and the acute effects of alcohol on food intake
CATON, S.J., J.E. MARKS AND M.M. HETHERINGTON 371
The role of the environment on the development of spike-wave discharges in two strains of rats
SCHRIDDE, U. AND G. VAN LUIJTELAAR 379
Inhibitory avoidance, pain reactivity, and plus-maze behavior in Wistar rats with high versus low rearing activity
BORTA, A. AND R.K.W. SCHWARTING 387
Effects of facial expression on shared attention mechanisms
HORI, E., T. TAZUMI, K. UMENO, M. KAMACHI, T. KOBAYASHI, T. ONO AND H. NISHIJO 397
Flavor preferences conditioned by postingestive effects of nutrients in preweanling rats
MYERS, K.P., J. FERRIS AND A. SCLAFANI 407
Nociception and locomotor activity are increased in ketogenic diet fed rats
ZIEGLER, D.R., G.D. GAMARO, E. ARAÚJO, M.G. BASSANI, M.L.S. PERRY, C. DALMAZ AND C.-A. GONÇALVES 421
Age dependent effects of space limitation and social tension on open-field behavior in male rats
ARAKAWA, H. 429
The taste of sickness: Lipopolysaccharide-induced finickiness in rats
AUBERT, A. AND R. DANTZER. 437
Oxytocin is not a valid biomarker when measured in saliva by immunoassay
HORVAT-GORDON, M., D.A. GRANGER, E.B. SCHWARTZ, V.J. NELSON AND K.T. KIVLIGHAN. 445
Chronic subcutaneous leptin infusion diminishes the responsiveness of the hypothalamic–pituitary–adrenal (HPA) axis in female rhesus monkeys
WILSON, M.E., J. FISHER AND J. BROWN 449
Leptin effects on food and water intake in lines of chickens selected for high or low body weight
KUO, A.Y., M.A. CLINE, E. WERNER, P.B. SIEGEL AND D.M. DENBOW 459
Effects of day-length and food availability on food caching, mass and fat reserves in black-capped chickadees (*Poecile atricapillus*)
KARPOUZOS, H., A.M. HERNANDEZ, E.A. MACDOUGALL-SHACKLETON AND S.A. MACDOUGALL-SHACKLETON 465
Chicks from a high and low feather pecking line of laying hens differ in apomorphine sensitivity
VAN HIERDEN, Y.M., J.M. KOOLHAAS, L. KOŠŤÁL, P. VÝBOH, M. SEDLAČKOVÁ, M. RAJMAN, M. JURÁNI AND S. MECHIEL KORTE. 471
Associations of ambient illumination with mood: Contribution of ophthalmic dysfunctions
JEAN-LOUIS, G., D. KRIPKE, C. COHEN, F. ZIZI AND A. WOLINTZ 479
Comparison times are longer for hedonic than for intensity judgements of taste stimuli
VELDHUIZEN, M.G., M.N. VESSAZ AND J.H.A. KROEZE. 489
Diurnal rhythms in plasma cortisol, insulin, glucose, lactate and urea in pigs fed identical meals at 12-hourly intervals
KOOPMANS, S.J., J. VAN DER MEULEN, R. DEKKER, H. CORBIJN AND Z. MROZ. 497

CONTENTS VOLUME 84 NUMBER 4 2005

Articles

Genetic analysis of learning and memory deficits in senescence-accelerated mouse (SAM)
TOMOBE, K., M. ISOBE, Y. OKUMA, K. KITAMURA, Y. OKETANI AND Y. NOMURA 505
Social instability in female rats: The relationship between stress-related and anxiety-like consequences
BARANYI, J., N. BAKOS AND J. HALLER 511
Potential energetic implications of emesis in the house musk shrew (*Suncus murinus*)
ANDREWS, P.L.R., M.I. FRIEDMAN, Y.-L. LIU, J.E. SMITH AND D.W. SIMS 519
Assessment of recovery in the hemiparkinson rat: Drug-induced rotation is inadequate
CASTAÑEDA, E., S. FLEMING, M.A. PAQUETTE, K. BOAT, J. MOFFETT, E.K. STACHOWIAK, D.C. BLOOM AND M.K. STACHOWIAK. 525
Effects of ethanol intake and ethanol withdrawal on free-running circadian activity rhythms in rats
ROSENWASSER, A.M., M.E. FECTEAU AND R.W. LOGAN 537
Characterization of anxiety and habituation profile following global ischemia in rats
PLAMONDON, H. AND S. KHAN. 543
Re-feeding and the restoration of odor attractivity, odor preference, and sexual receptivity in food-deprived female meadow voles
PIERCE, A.A. AND M.H. FERKIN. 553
Brain and body temperature homeostasis during sodium pentobarbital anesthesia with and without body warming in rats
KIYATKIN, E.A. AND P.L. BROWN 563

Effects of chronic mild stress on sexual behavior, locomotor activity and consumption of sucrose and saccharine solutions
GRØNLI, J., R. MURISON, E. FISKE, B. BJORVATN, E. SØRENSEN, C.M. PORTAS AND R. URSIN 571
Differential effects of removing the glucose or saccharin components of a glucose–saccharin mixture in a successive negative contrast paradigm
MITCHELL, C.P. AND C.F. FLAHERTY 579
Effects of sex and estrous cycle on modulation of the acoustic startle response in mice
PLAPPERT, C.F., A.M. RODENBÜCHER AND P.K.D. PILZ 585
Demand-feeding rhythms and feeding-entrainment of locomotor activity rhythms in tench (*Tinca tinca*)
HERRERO, M.J., M. PASCUAL, J.A. MADRID AND F.J. SÁNCHEZ-VÁZQUEZ. 595
Abnormal patterns of maternal behavior in a genetic animal model of depression
LAVI-AVNON, Y., G. YADID, D.H. OVERSTREET AND A. WELLER 607
Arachidonic acid improves aged rats' spatial cognition
OKAICHI, Y., Y. ISHIKURA, K. AKIMOTO, H. KAWASHIMA, Y. TOYODA-ONO, Y. KISO AND H. OKAICHI 617
High doses of vasopressin delay the onset of extinction and strengthen acquisition of LiCl-induced conditioned taste avoidance
HAYES, U.L. AND K.C. CHAMBERS 625
Acute effects of light and darkness on sleep in the pigeon (*Columba livia*)
RATTENBORG, N.C., W.H. OBERMEYER, E. VACHA AND R.M. BENCA 635
Unmasking of α_1 adrenoceptor induced hypnogenic response from medial preoptic area
VETRIVELAN, R., H.N. MALLICK AND V.M. KUMAR. 641
Fish macronutrient selection through post-ingestive signals: Effect of selective macronutrient deprivation
RUBIO, V.C., F.J. SÁNCHEZ-VÁZQUEZ AND J.A. MADRID 651
Deafferentation affects short-term but not long-term control of food intake
VAN DE WALL, E.H.E.M., E.R. POMP, J.H. STRUBBE, A.J.W. SCHEURINK AND J.M. KOOLHAAS 659

Articles

Imprecise control of energy intake: Absence of a reduction in food intake following overfeeding in young adults
LEVITSKY, D.A., E. OBARZANEK, G. MRDJENOVIC AND B.J. STRUPP 669
Influence of personality traits on plasma levels of cortisol and cholesterol
LEBLANC, J. AND M.B. DUCHARME 677
Differential fos activation in virgin and lactating mice in response to an intruder
HASEN, N.S. AND S.C. GAMMIE 681
Neuroendocrine and cytokine profile of chronic mild stress-induced anhedonia
GRIPPO, A.J., J. FRANCIS, T.G. BELTZ, R.B. FELDER AND A.K. JOHNSON 697
The effects of SB 224289 on anxiety and cocaine-related behaviors in a novel object task
HOPLIGHT, B.J., E.S. VINCOW AND J.F. NEUMAIER. 707
Effect of driving duration and partial sleep deprivation on subsequent alertness and performance of car drivers
OTMANI, S., T. PEBAYLE, J. ROGE AND A. MUZET 715
Radiotelemetry recording of electroencephalogram in piglets during rest
SAITO, T., Y. WATANABE, T. NEMOTO, E. KASUYA AND R. SAKUMOTO 725
Long-term treadmill exercise overcomes ischemia-induced apoptotic neuronal cell death in gerbils
SIM, Y.-J., H. KIM, J.-Y. KIM, S.-J. YOON, S.-S. KIM, H.-K. CHANG, T.-H. LEE, H.-H. LEE, M.-C. SHIN, M.-S. SHIN AND C.-J. KIM 733
Seasonal energetics of the Hottentot golden mole at 1500 m altitude
SCANTLEBURY, M., M.K. OOSTHUIZEN, J.R. SPEAKMAN, C.R. JACKSON AND N.C. BENNETT 739
Early postnatal ethanol administration does not affect prepulse inhibition in rats
WOOLFREY, K.M., N.J. MUSISCA, P.S. HUNT AND J.A. BURK 747
Rapid learning and flexible memory in "habit" tasks in rats trained with brain stimulation reward
HERMER-VAZQUEZ, L., R. HERMER-VAZQUEZ, I. RYBINNIK, G. GREEBEL, R. KELLER, S. XU AND J.K. CHAPIN 753
Behavioral correlates of olfactory and trigeminal gaseous stimulation in chickens, *Gallus domesticus*
MCKEEGAN, D.E.F., F.S. SMITH, T.G.M. DEMMERS, C.M. WATHES AND R.B. JONES. 761
Concurrent measures of feeding and locomotion in rats
WELLMAN, P.J., D.H. HO AND K.W. DAVIS 769
Cholecystokinin and GABA interaction in the dorsal hippocampus of rats in the elevated plus-maze test of anxiety
REZAYAT, M., A. ROOHBAKHSH, M.-R. ZARRINDAST, R. MASSOUDI AND B. DJAHANGUIRI 775

Decrease in nasal temperature of rhesus monkeys (*Macaca mulatta*) in negative emotional state
NAKAYAMA, K., S. GOTO, K. KURAOKA AND K. NAKAMURA 783
The phasing of circadian rhythms in mice kept under normal or short photoperiods
WEINERT, D., S. FREYBERG, Y. TOUITOU, Y. DJERIDANE AND J.M. WATERHOUSE 791
Pup exposure differentially enhances foraging ability in primiparous and nulliparous rats
LAMBERT, K.G., A.E. BERRY, G. GRIFFINS, E. AMORY-MEYERS, L. MADONIA-LOMAS, G. LOVE AND C.H. KINSLEY 799
Behavioral conditioning with interferon beta-1a in humans
GOEBEL, M.U., D. HÜBELL, W. KOU, O.E. JANSSEN, Z. KATSARAVA, V. LIMMROTH AND M. SCHEDLOWSKI . . 807

Contents of Volume 84 815

Author Index 821

Keyword Index 825